

LENOX[®] HAND TOOLS

FOR THE PROFESSIONAL

WORLD CLASS TECHNOLOGY/AMERICAN SAW QUALITY



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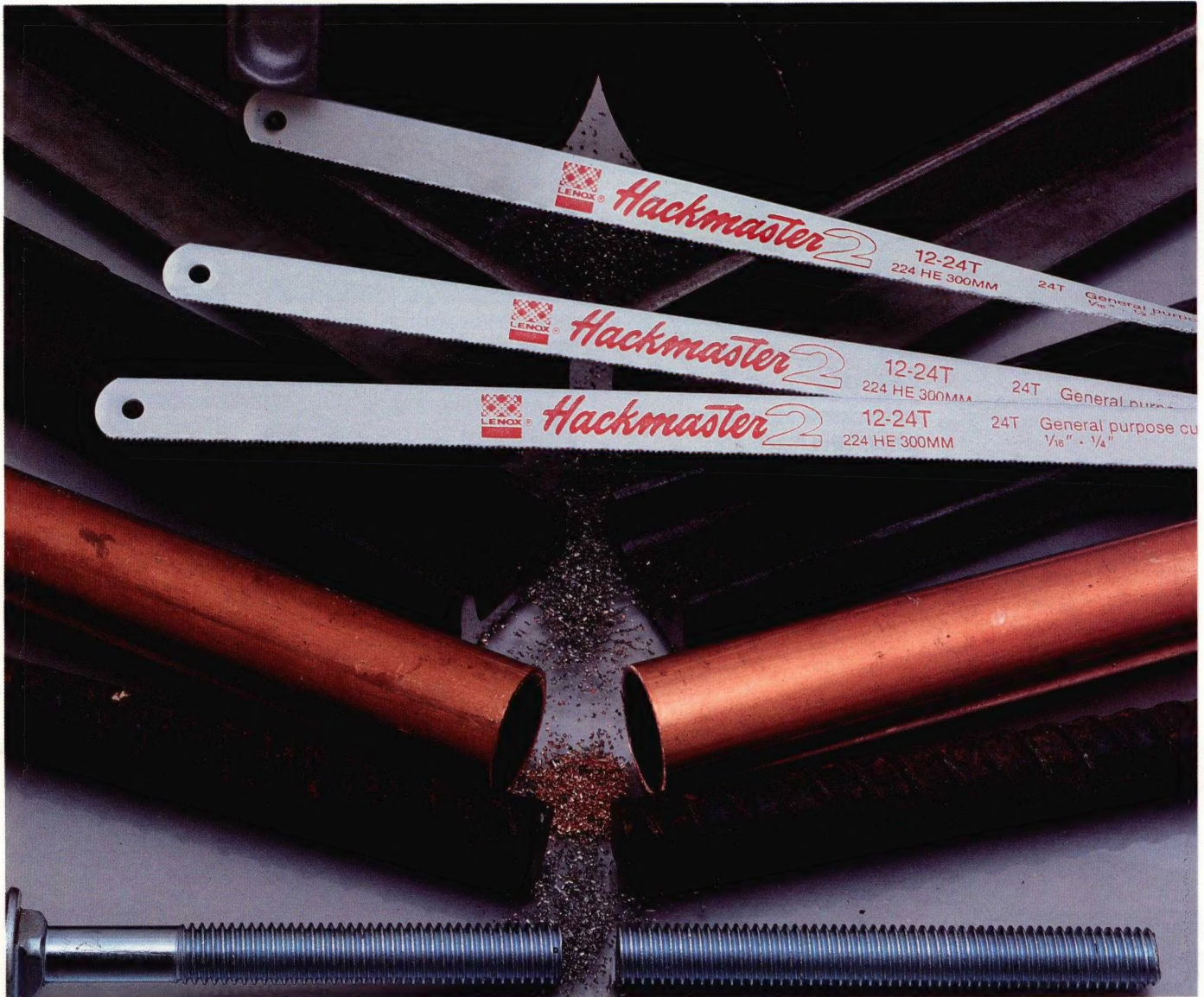
Our business is exclusively the manufacturing of saw blades and related tools for separating materials, while providing information and services directly related to those products. Our market is the professional cutting tool user. Our commitment to this market is to produce products better than anyone else—to back up their quality with expert technical services and customer support. Our dedication is to combine world class technology with American Saw quality. It has built the Lenox reputation people have come to know and trust. We do this in more than 50 countries around the world.

Color White® is a registered trademark of American Saw & Mfg. Company.

Lenox White Tools® is a registered trademark of American Saw & Mfg. Company.

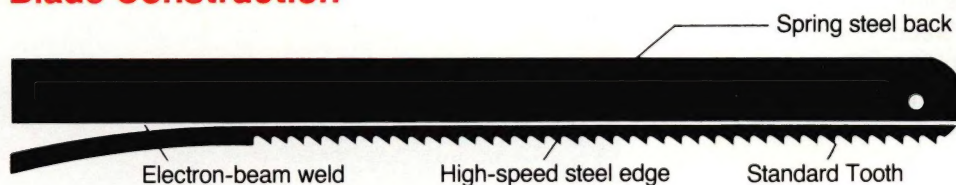
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HACKMASTER 2® HACKSAW BLADES



- Shatterproof Hackmaster 2® bi-metal blades cut stainless, pipe, conduit, bar & rod, aluminum, brass, copper...almost any material.
- With high tension frames, you get the straightest possible cuts, longest life.
- Full assortment of frames, handles.

Blade Construction



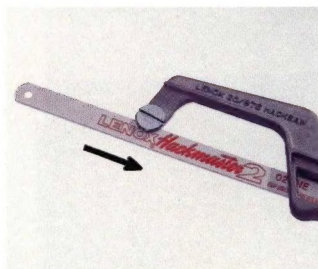
HACKSAW TIPS

GETTING THE MOST OUT OF YOUR HAND HACKS.



TOOTH DIRECTION IS CRITICAL.

All hacksaw devices that keep the blade under tension are designed for two-handed push stroke cutting, and the blade should be installed with the teeth facing away from the handle.



All hacksaw frames that don't tension the blade are designed for single-handed pull stroke cutting, and the blade should be installed with the teeth pointing toward the handle.

BLADE TENSION.

Unless otherwise indicated, hand-tighten the blade as much as possible.

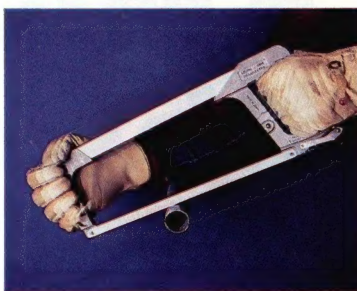


CUTTING CONDUIT OR PIPE USING KNEE AS SUPPORT.

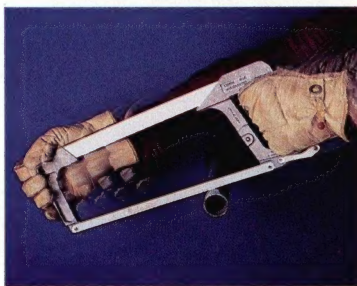
When cutting conduit or pipe using the knee as support, it's best to install the blade with teeth pointing towards the handle. That way the pipe does not roll off the knee—the arm acts as a brace. The blade then cuts on the pull stroke thereby giving additional support for a faster, smoother, easier cut.



CUTTING TECHNIQUES THAT SAVE TIME AND BLADE WEAR.



1. Begin cutting on an angle with short, even, forward strokes. Once your line is set, switch to full length strokes of the blade.



2. During cutting, bear down just enough to feel the teeth bite along the full length of the blade. Relax the pressure on each return stroke to prevent blade dulling.



3. To prevent snagging, select a blade that keeps at least six teeth in the workpiece at all times.

4. Take smooth, continuous strokes: about 55/min. for cutting mild materials like aluminum, brass, and lead; 40/min. for tough materials like stainless steel or tool steels.

CHANGING BLADES DURING A CUT.



Starting a new blade in an unfinished cut will make the saw bind. Instead, turn the workpiece over and start the new blade in a fresh cut. Saw through to meet the original cut.

EASY REPAIR OF A SCREW HEAD.



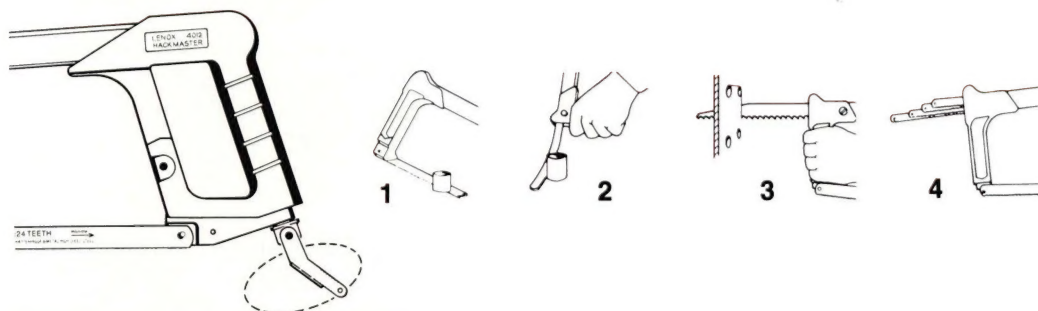
To remove screws that have damaged slots, use your hacksaw to clean out the existing slot or saw a new one at a 90° angle.

HACKSAW FRAMES & HANDLES



LENOX NO. 4012 **HACKMASTER® HIGH TENSION HACKSAW FRAME**

- You will never cut with another frame once you've tried this amazing die-cast aluminum and steel frame.
- Lever tensions the 12" Hackmaster 2® blade to 28,000 psi (about twice that of ordinary frames).
- Blade doesn't twist when you bear down.
- Blade doesn't bind in tough materials or structurals.
- Permanent angled pins hold 12" blade when tension is relieved.



1. Mount blade at 45° for flush cutting jobs.
2. Use frame as jab saw (set screw holds blade in position).
3. Use as a compass saw with No. 20585-156R reciprocating blade.
4. Store spare blades inside tubular back.



PVC/ABS PLASTIC PIPE HAND SAW & FLUSH CUTTING BLADE ADAPTOR

- This hand saw is designed for cutting PVC/ABS-plastic pipe, paneling, plywood, dry-wall, wood & other general purpose sawing.
- Saw cuts on both push and pull stroke to give more power, no binding.
- Teeth stay sharp because they are milled.
- Die-cast aluminum handle, replaceable tempered carbon steel 12" or 18" blade.
- Easy to assemble flush cutting blade adaptor. Designed to cut PVC pipe, two-by-fours, etc., flush with floors and walls.



PROFESSIONAL SMALL JOB No. 975 HACKSAW

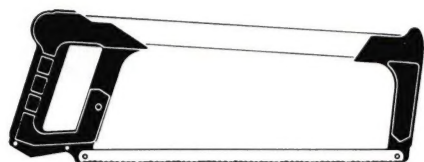
- This hacksaw is designed for hard to get at places.
- A versatile cutting tool that cuts bolts, wire, cable, pipe, tubing, conduit, sheet metal, rigid fiberboard and plastic.
- Constructed with rugged die-cast aluminum.
- Comes with a 10" bi-metal 24 tooth blade.

HAND BLADES/FRAMES

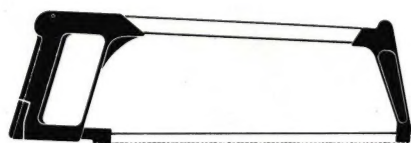
Specifications

Length x Width x Gage	Teeth	Bi-Metal Box	Bi-Metal Vinyl sleeve	Bi-Metal Skin packed
10" x 1/2" x .025"	18	20110-018HE	20140-V018HE	20150-S018HE
250mm x 13mm x .63 mm	24	20111-024HE	20141-V024HE	20151-S024HE
	32	20112-032HE	20142-V032HE	20152-S032HE
12" x 1/2" x .025"	14	20115-214HE		
300mm x 13mm x .63 mm	18	20116-218HE	20144-V218HE	20154-S218HE
	24	20117-224HE	20145-V224HE	20155-S224HE
	32	20118-232HE	20146-V232HE	20156-S232HE
* 12" x 5/8" x .032"	14		20122-V614HE	
300mm x 17mm x .80 mm	18		20123-V618HE	

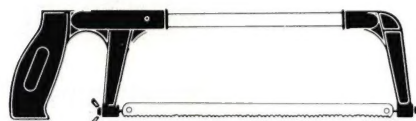
* Heavy duty



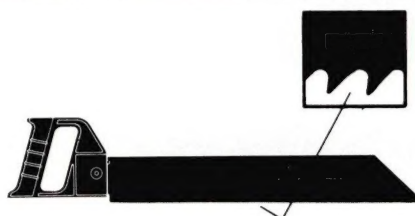
No. 4012 Hackmaster® High Tension Hand Hacksaw Frame
With 12" blade. Tension to 28,000 psi. The finest frame you can buy. Product No. 20918-4012



No. 1210 Hackmaster® High Tension Hand Hacksaw Frame
With 12" blade. Also takes 10". Tension to 20,000 psi. Product No. 20917-1210

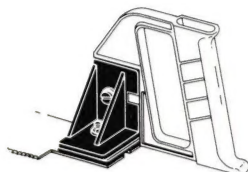


No. 1012 Hand Hacksaw Frame
Die-cast aluminum. With 10" blade. Product No. 20912-1012



PVC/ABS Plastic Pipe Hand Saw Designed especially to cut PVC and ABS plastic pipe without binding. Can also do other general cutting of plastic and wood. Cuts on both push and pull strokes. Die-cast aluminum handle, replaceable tempered carbon steel 12" or 18" blade.

Product Number	Description
20980-HSF-180	18"/450mm blade and handle
20985-HSF-120	12"/300mm blade and handle
20981-HSB-18	18"/450mm replacement blade
20982-HSB12	12"/300mm replacement blade



Flush Cutting Blade Adaptor Designed to cut PVC/ABS pipe, two-by-fours, etc., flush with floors and walls. Product No. 20987



No. 928 Handy Hack Cuts flush. Blade reverses. With bi-metal 10" blade. Product No. 20928-928



No. 975 Hacksaw Rugged die-cast aluminum. Designed for hard to get at places. Cuts bolts, wire, tubing and plastic. With bi-metal 10" blade which outlasts up to 10 ordinary blades. Product No. 20975-975



Compass Saw Handles For 4", 8", 10", 12", 14" blades (below). Product No. 20939-AHC-1 Aluminum
Product No. 20940-WHC-2 Wood



Compass Saw Blades Carbon steel. .042" gage for 4" and 8" length, .047" gage for 12" and 14" length, and .050" gage for 10" length. 10 teeth per inch.

Product No.	Length
20945-4CS	4"/100mm
20946-8CS	8"/203mm
20947-10CS	10"/250mm
20949-12CS	12"/300mm
20951-14CS	14"/360mm

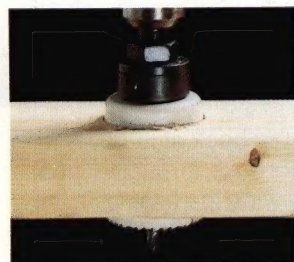
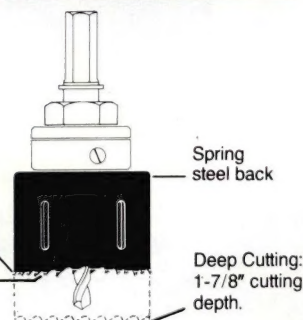
HOLE SAWS & ACCESSORIES



- Shatterproof, bi-metal construction. Vari-Tooth® form gives less vibration, smoother cuts.
- Cuts through stainless steel and other metals, pipe, nail-embedded wood, hardwood floors, plywood and plastics.
- Stays sharp up to 3 times longer, resists heat build-up.
- Positive Rake - cuts up to 33% faster.
- Hole Saw Kits - See Page 8.

Electron-beam welded high-speed steel cutting edge Rc 62-64

Regular: 1-1/8" cutting depth

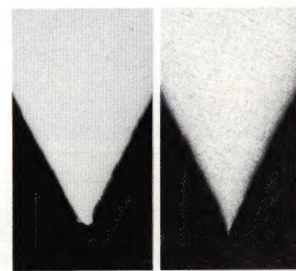


DEEP CUTTING SAW

- Deep cutting hole saws extend cutting depth to 1 7/8".
- Available in 15 diameters.

HOLE SAWS NOW HAVE SHARPER TOOTH TIPS!

A new heat treating process creates sharper tooth tips for faster, freer cutting. The difference can be seen in these microscopic photographs.



HOLE SAW TIPS

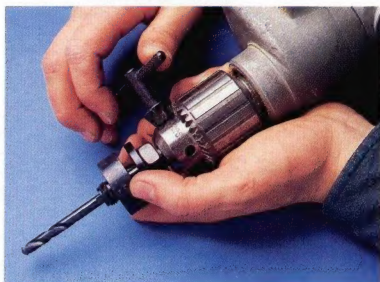
HOW TO GET THE PERFORMANCE YOU WANT.

ASSEMBLY.

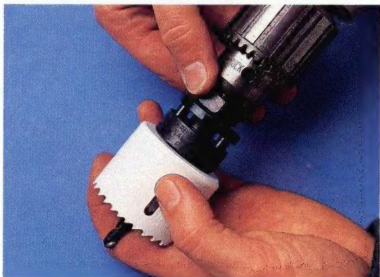
1. Secure the pilot drill in the arbor.



2. Clean your drill or drill press chuck, then tighten the arbor in place. Be sure all three sides of the chuck are holding uniformly. If not, reposition and retighten the arbor.



3. Screw the hole saw onto the arbor, making sure the drive pins are engaged.



ENLARGING EXISTING HOLES.

If there is a sizable difference between the diameter of the old hole and the new one (at least 1/2"), select a hole saw that is the exact size of the existing hole and thread it onto the front end of the arbor. This will act as your pilot drill when centered over the existing hole.

Remove the snap ring, locknut and retainer from the arbor. Thread a hole saw matching the new size onto the back end of the arbor so it fits around the outside of the first hole saw.

Install the retainer over the outer hole saw to prevent the hole saw from grabbing and loosening the locknut. Put the locknut on securely.

When the original hole is under 1-7/16" in diameter, cutting depth is limited to 7/8". This hybrid tool will cut a new, larger hole perfectly centered over the original hole.



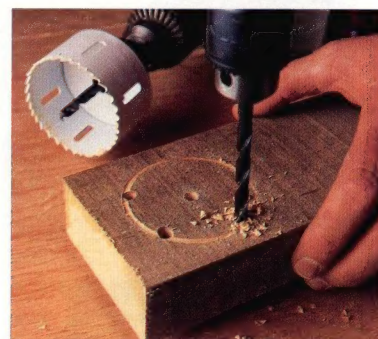
CUTTING SAFELY AND EFFICIENTLY.



Always enter the workpiece straight - never at an angle - so all teeth contact the work at the same time. Hold the drill firmly to resist the clockwise twisting motion when the hole saw begins to cut.

CLEARING THE CHIPS IN TOUGH MATERIALS.

In thick, hard-to-saw materials, use your hole saw to score the work surface, then drill holes inside the groove. This will provide space for chip clearance.

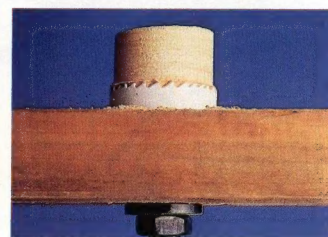
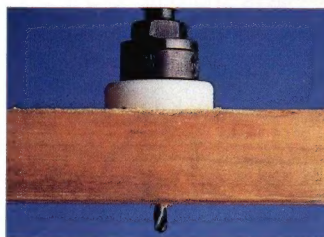


SPONGE TIP FOR CUTTING STAINLESS STEEL.



Using a hole saw, punch out a sponge and push the sponge up into the inside of the hole saw. Then soak the sponge with cutting fluid. While cutting, the cutting fluid draws from the sponge, making the hole saw cut easier and last longer.

GETTING THAT PROFESSIONAL FINISH.



To prevent splinters or burrs on the back side of wood, stop sawing when the pilot drill breaks through. Then, using the drill as a guide, finish sawing the hole from the other side.

**Hole Saws, Bi-Metal
4/6 Vari-Tooth®, Positive Rake
1½" Cutting Depth**



1 Per Box

Product Number	Diameter Inch (MM)	Use Arbor Number	Pipe Tap Inch (MM)	Pipe Entr. Inch (MM)
30009-9L	9/16 (14)	1L, 4L, 5L		
30010-10L	5/8 (16)	1L, 4L, 5L		
30011-11L	11/16 (17)	1L, 4L, 5L		
30012-12L	3/4 (19)	1L, 4L, 5L	1/2 (13)	3/8 (10)
30013-13L	13/16 (21)	1L, 4L, 5L		
30014-14L	7/8 (22)	1L, 4L, 5L	3/4 (19)	1/2 (13)
30015-15L	15/16 (24)	1L, 4L, 5L		
30016-16L	1 (25)	1L, 4L, 5L		
30017-17L	1-1/16 (27)	1L, 4L, 5L		
30018-18L	1-1/8 (28)	1L, 4L, 5L	1 (25)	3/4 (19)
30019-19L	1-3/16 (30)	1L, 4L, 5L		
30020-20L	1-1/4 (32)	2L or 6L		
30021-21L	1-5/16 (33)	2L or 6L		
30022-22L	1-3/8 (35)	2L or 6L		1 (25)
30023-23L	1-7/16 (37)	2L or 6L		
30024-24L	1-1/2 (38)	2L or 6L	1-1/4 (32)	
30025-25L	1-9/16 (40)	2L or 6L		
30026-26L	1-5/8 (41)	2L or 6L		
30027-27L	1-11/16 (43)	2L or 6L		
30028-28L	1-3/4 (44)	2L or 6L	1-1/2 (38)	1-1/4 (32)
30029-29L†	1-13/16 (46)	2L or 6L		
30030-30L	1-7/8 (48)	2L or 6L		
30032-32L	2 (51)	2L or 6L		1-1/2 (38)
30033-33L	2-1/16 (52)	2L or 6L		
30034-34L	2-1/8 (54)	2L or 6L		
30036-36L	2-1/4 (57)	2L or 6L	2 (51)	
30037-37L†	2-5/16 (59)	2L or 6L		
30038-38L	2-3/8 (60)	2L or 6L		
30040-40L	2-1/2 (63)	2L or 6L		2 (51)
30041-41L	2-9/16 (65)	2L or 6L		
30042-42L	2-5/8 (67)	2L or 6L	2-1/2 (63)	
30044-44L	2-3/4 (70)	2L or 6L		
30046-46L	2-7/8 (73)	2L or 6L		
30048-48L	3 (76)	2L or 6L		2-1/2 (63)
30050-50L	3-1/8 (79)	2L or 6L		
30052-52L	3-1/4 (83)	2L or 6L	3 (76)	
30054-54L	3-3/8 (86)	2L or 6L		
30056-56L	3-1/2 (90)	2L or 6L		
30058-58L	3-5/8 (92)	2L or 6L		3 (76)
30060-60L	3-3/4 (95)	2L or 6L	3-1/2 (90)	
30062-62L†	3-7/8 (98)	2L or 6L		
30064-64L	4 (100)	2L or 6L		
30066-66L	4-1/8 (105)	2L or 6L		3-1/2 (90)
30068-68L	4-1/4 (108)	2L or 6L	4 (100)	
30070-70L	4-3/8 (111)	2L or 6L		
30072-72L	4-1/2 (115)	2L or 6L		
30076-76L	4-3/4 (121)	2L or 6L	4-1/2 (115)	4 (100)
30080-80L	5 (127)	2L or 6L		
30088-88L	5-1/2 (140)	2L or 6L		
30096-96L	6 (152)	2L or 6L		

† To be discontinued when stock is depleted.

All Hole Saws 9/16" to 1-3/4" available in master packs of 10.

All Hole Saws 1-13/16" to 3-1/2" available in master packs of 5.

Accessories

1 Per Vinyl Pouch

Product Number	Description	For Chuck Size Inch (MM)	Fits Arbor Number
30850-4321	Pilot Drill*	1/4 (6)	1L, 2L, 3L, 4L
30851-56PD	Pilot Drill*	1/4 (6)	5L, 6L
30857	Arbor Adaptor**		1L, 4L, 5L
30848	18"/450mm Extension	1/2 (13)	1L, 2L
30847	12"/300mm Extension	1/2 (13)	1L, 2L
30843	10"/250mm Extension	3/8 (10)	5L, 6L
30846	5½"/140mm Extension	1/2 (13)	1L, 2L

* Order Pilot Drills in multiples of ten.

** Order Arbor Adaptors in multiples of five.

**Individual Display Card
Hole Saws, Bi-Metal
4/6 Vari-Tooth®, Positive Rake
1½" Cutting Depth**



1 Per Card

Product Number	Diameter Inch (MM)	Use Arbor Number	Pipe Tap Inch (MM)	Pipe Entr. Inch (MM)
30110-C10L	5/8 (16)	1L, 4L, 5L		
30112-C12L	3/4 (19)	1L, 4L, 5L	1/2 (13)	3/8 (10)
30113-C13L	13/16 (21)	1L, 4L, 5L		
30114-C14L	7/8 (22)	1L, 4L, 5L	3/4 (19)	1/2 (13)
30115-C15L	15/16 (24)	1L, 4L, 5L		
30116-C16L	1 (25)	1L, 4L, 5L		
30117-C17L	1-1/16 (27)	1L, 4L, 5L		
30118-C18L	1-1/8 (28)	1L, 4L, 5L	1 (25)	3/4 (19)
30119-C19L	1-3/16 (30)	1L, 4L, 5L		
30120-C20L	1-1/4 (32)	2L or 6L		
30121-C21L	1-5/16 (33)	2L or 6L		
30122-C22L	1-3/8 (35)	2L or 6L		1 (25)
30123-C23L	1-7/16 (37)	2L or 6L		
30124-C24L	1-1/2 (38)	2L or 6L	1-1/4 (32)	
30125-C25L	1-9/16 (40)	2L or 6L		
30126-C26L	1-5/8 (41)	2L or 6L		
30128-C28L	1-3/4 (44)	2L or 6L	1-1/2 (38)	1-1/4 (32)
30130-C30L	1-7/8 (48)	2L or 6L		
30132-C32L	2 (51)	2L or 6L		1-1/2 (38)
30134-C34L	2-1/8 (54)	2L or 6L		
30136-C36L	2-1/4 (57)	2L or 6L	2 (51)	
30138-C38L	2-3/8 (60)	2L or 6L		
30140-C40L	2-1/2 (63)	2L or 6L		2 (51)
30146-C46L	2-7/8 (73)	2L or 6L		
30148-C48L	3 (76)	2L or 6L		2-1/2 (63)
30152-C52L	3-1/4 (83)	2L or 6L	3 (76)	
30156-C56L	3-1/2 (90)	2L or 6L		
30166-C66L	4-1/8 (105)	2L or 6L		3-1/2 (90)
30172-C72L	4-1/2 (115)	2L or 6L		

**Hole Saws - Deep Cutting
Bi-Metal, 1½" Cutting Depth**



1 Per Box

Product Number	Diameter Inch (MM)	Product Number	Diameter Inch (MM)
30412-12DC	3/4 (19)	30432-32DC	2 (51)
30414-14DC	7/8 (22)	30434-34DC	2-1/8 (54)
30416-16DC	1 (25)	30436-36DC	2-1/4 (57)
30418-18DC	1-1/8 (28)	30440-40DC	2-1/2 (63)
30420-20DC	1-1/4 (32)	30448-48DC	3 (76)
30422-22DC	1-3/8 (35)	30454-54DC	3-3/8 (86)
30424-24DC	1-1/2 (38)	30468-68DC	4-1/4 (108)
30428-28DC	1-3/4 (44)		



Arbors

1 Per Box



Product Number	Fits Hole Saws	Shank Type	Chuck Size Inch (MM)
30001-1L	9L-19L	Hex	1/2 (13)
30002-2L	20L-96L	Hex	1/2 (13)
30003-3L	20L-96L	Hex	3/4 (19)
30004-4L	9L-19L	Round	1/4 (6)
30005-5L	9L-19L	Hex	3/8 (10)
30006-6L	20L-96L	Hex	3/8 (10)

Carded Arbors

1 Per Card

Product Number	Fits Hole Saws	Shank Type	Chuck Size Inch (MM)
30104-C4L	9L-19L	Round	1/4 (6)
30105-C5L	9L-19L	Hex	3/8 (10)
30106-C6L	20L-96L	Hex	3/8 (10)

Boxed arbors available in master packs of 5.

HOLE SAW KITS



INDUSTRIAL MAINTENANCE NO. 30823-1900L

Sixteen sizes handle just about all installation, maintenance and repair jobs. One each hole saws $\frac{3}{4}$ ", $\frac{7}{8}$ ", 1", $1\frac{1}{8}$ ", $1\frac{3}{8}$ ", $1\frac{1}{2}$ ", $1\frac{3}{4}$ ", 2", $2\frac{1}{4}$ ", $2\frac{1}{2}$ ", 3", $3\frac{1}{4}$ ", $3\frac{5}{8}$ ", $3\frac{3}{4}$ ", $4\frac{1}{8}$ ", $4\frac{3}{4}$ ". One each arbors 1L, 2L. Three spare pilot drills. Metal carrying case.



SUPER ELECTRICIAN NO. 30822-1400L

Ten sizes needed to bring pipe and conduit through floors, ceilings, partitions and into junction boxes. One each hole saws $\frac{7}{8}$ ", $1\frac{1}{8}$ ", $1\frac{3}{8}$ ", $1\frac{3}{4}$ ", 2", $2\frac{1}{2}$ ", 3", $3\frac{5}{8}$ ", $4\frac{1}{8}$ ", $4\frac{3}{4}$ ". One each arbors 1L, 2L, 4L. Three spare pilot drills. Metal carrying case.



REFRIGERATION NO. 30830-600R

Six sizes preferred by refrigeration professionals. One each hole saws $\frac{5}{8}$ ", $\frac{7}{8}$ ", $1\frac{1}{8}$ ", $1\frac{3}{8}$ ", $1\frac{1}{2}$ ", $2\frac{1}{8}$ ". One each arbors 5L, 6L. One spare pilot drill. Plastic case.



DELUXE NO. 30820-1200L

Twelve popular sizes. One each hole saws $\frac{5}{8}$ ", $\frac{3}{4}$ ", $\frac{7}{8}$ ", 1", $1\frac{1}{8}$ ", $1\frac{1}{4}$ ", $1\frac{3}{8}$ ", $1\frac{1}{2}$ ", $1\frac{3}{4}$ ", 2", $2\frac{1}{2}$ ", 3". One each arbors 1L, 2L. Three spare pilot drills. Plastic case.



ELECTRICIAN NO. 30821-600L

Six sizes most frequently used for pipe and conduit entrance. One each hole saws $\frac{7}{8}$ ", $1\frac{1}{8}$ ", $1\frac{3}{8}$ ", $1\frac{3}{4}$ ", 2", $2\frac{1}{2}$ ". One each arbors 1L, 2L. One spare pilot drill. Plastic case.



PLUMBER NO. 30808-600P

Six sizes most commonly used for pipe tap and entrance. One each hole saws $\frac{3}{4}$ ", $\frac{7}{8}$ ", $1\frac{1}{8}$ ", $1\frac{1}{2}$ ", $1\frac{3}{4}$ ", $2\frac{1}{4}$ ". One each arbors 2L, 4L. One spare pilot drill. One arbor adaptor. Plastic case.



LOCKSMITH NO. 30831-600K

Six sizes preferred by locksmiths. One each hole saws $\frac{7}{8}$ ", 1", $1\frac{1}{4}$ ", $1\frac{1}{2}$ ", $1\frac{3}{4}$ ", $2\frac{1}{8}$ ". One each arbors 2L, 4L. One spare pilot drill. One arbor adaptor. Also available as No. 30832-600KA with $1\frac{3}{8}$ " hole saw in place of $1\frac{1}{2}$ ". Plastic case.



SPECIAL ELECTRICIAN NO. 30828-400L

Four sizes used on large pipe and conduit entrance. One each hole saws 3", $3\frac{5}{8}$ ", $4\frac{1}{8}$ ", $4\frac{3}{4}$ ". One arbor 2L. Metal case.



AUTOMOTIVE NO. 30805-500A

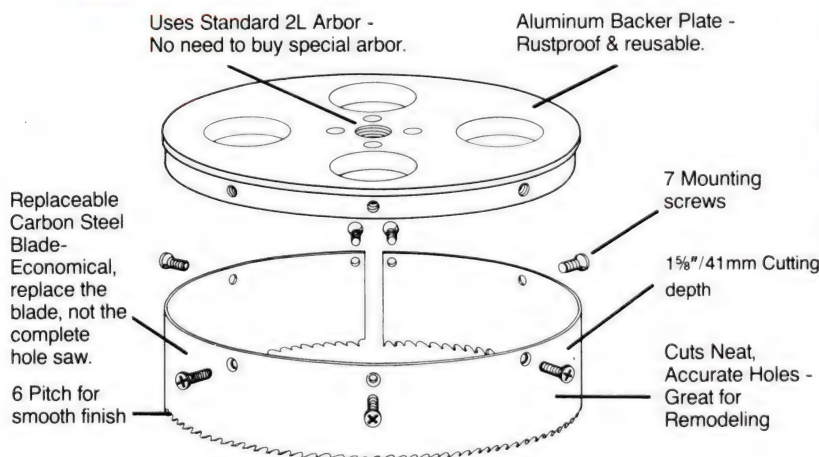
Five sizes used to install air conditioner hoses, door locks, sun roofs, antennas, etc. One each hole saws $\frac{3}{4}$ ", $\frac{7}{8}$ ", 1", $1\frac{1}{8}$ ", $1\frac{1}{4}$ ". One arbor 5L. One arbor adaptor. Plastic case.

RECESSED LIGHTING HOLE SAW

BENEFITS

- Won't chip plaster, and doesn't tear or crack sheetrock.
- Faster than a keyhole saw.
- Exact round holes save the cost of plaster or dry wall rework.
- Makes every installation precise and quick.

Features



1 5/8" / 41mm cutting depth for thick ceilings. Works for all major fixture housings including HALO® H-7, JUNO® TC2 and CAPRI® RIOX.



Product Number	Description Inch (MM)	1 Per Box.
30790-678L	6 7/8 (175) Recessed Lighting Hole Saw	
30791-110L	6 7/8 (175) Replacement Blade	
30782-658L	6 5/8 (168) Recessed Lighting Hole Saw	
30783-106L	6 5/8 (168) Replacement Blade	
30787-650L	6 1/2 (165) Recessed Lighting Hole Saw	
30788-104L	6 1/2 (165) Replacement Blade	
30785-638L	6 3/8 (162) Recessed Lighting Hole Saw	
30786-102L	6 3/8 (162) Replacement Blade	
30784	Replacement Screws*	

* Replacement Screws - 7 Per Vinyl Pouch.

DEEP CUTTING HOLE SAW KITS



PLUMBER NO. 30473-600DCP

Six sizes most commonly used for pipe and tap entrance. Capable of cutting through 2 x 4's. One each hole saws 3/4", 7/8", 1 1/8", 1 1/2", 1 3/4", 2 1/4". One each arbors 2L, 4L. One spare pilot drill. One arbor adaptor. Plastic case.



ELECTRICIAN NO. 30471-600DCL

Six sizes most frequently used for pipe and conduit entrance. Capable of cutting through 2 x 4's. One each hole saws 7/8", 1 1/8", 1 3/8", 1 3/4", 2", 2 1/2". One each arbors 1L, 2L. One spare pilot drill. Plastic case.



LOCKSMITH NO. 30475-600DCK

Six sizes preferred by locksmiths. One each 7/8", 1", 1 1/4", 1 1/2", 1 3/4", 2 1/8". One each arbors 2L, 4L. One spare pilot drill. One arbor adaptor. Also available as No. 30477-600DCKA with 1 3/8" hole saw in place of 1 1/2". Plastic case.

VARI-BIT®

FEATURES	ADVANTAGES	BENEFITS
<ul style="list-style-type: none"> • Double fluted • 118° true drill point • Made of high speed steel • 3 sided shank • Steam oxide surface treatment 	<ul style="list-style-type: none"> • Cuts much cooler • High heat resistance • High wear resistance 	<ul style="list-style-type: none"> • Cuts 2 times faster • Lasts 2 times longer • Clean, burr-free holes • Eliminates the need for specific sized standard drill bits • Won't slip in drill chuck • Requires no center punching • No pilot hole necessary • Drills various types of material including stainless steel, mild steel, cast iron, plastic & wood • Easy to carry on the job • Enlarges holes and deburrs • Makes slots into rounds or rounds into slots • Saves time



VARI-BIT® KITS

Product Number	Description
30890-VBKM	4 sizes: VB1, VB2, VB3, VB7. Instruction Sheet. Metal Case.
30885-VBKV	4 sizes: VB1, VB2, VB3, VB7. Instruction Sheet. Vinyl Pouch.
30889-889	3 sizes: VB1, VB2, VB3. Instruction Sheet. Metal Case.
30920-VBKMA-6	6 sizes: VB1, VB2, VB3, VB6, VB7, VB11. Instruction Sheet. Metal Case.
30922-VBKME-3	3 sizes: VB3, VB6, VB11. Instruction Sheet. Metal Case.

U.S. Patent No. 4582458

LENOX® Vari-Bit®	Number of Hole Sizes	Hole Sizes Inches (MM)	Electric Drill Size	Pilot Hole	Uni-Bit®	Klein Uni-Bit®
VB1 30881	13	1/8, 5/32, 3/16, 7/32, 1/4, 9/32, 5/16, 11/32, 3/8, 13/32, 7/16, 15/32, 1/2 (3, 4, 4.5, 5.5, 6, 7, 8, 8.5, 9.5, 10, 11, 12, 12.5)	1/4 (6) & larger	No	1	1-59001
VB2 30882	8	9/16, 5/8, 11/16, 3/4, 13/16, 7/8, 15/16, 1 (14, 16, 17.5, 19, 20.5, 22, 23.5, 25)	3/8 (9.5) & larger	No	20	2-59002
VB3 30883	9	1/4, 5/16, 3/8, 7/16, 1/2, 9/16, 5/8, 11/16, 3/4 (6, 8, 9.5, 11, 12.5, 14, 16, 17.5, 19)	3/8 (9.5) & larger	No	3	3-59003
VB4 30884	6	3/16, 1/4, 5/16, 3/8, 7/16, 1/2 (4.5, 6, 8, 9.5, 11, 12.5)	3/8 (9.5) & larger	No	2	5-59005
VB6 30886	2	3/8, 1/2 (12.5, 9.5)	1/4 (6) & larger	No	10, 12*	7-59007
VB7 30887	1	7/8 (22)	3/8 (9.5) & larger	No	11	8-59008
VB11 30888	2	7/8, 1-1/8 (22, 28.5)	3/8 (9.5) & larger	No	13**	11-590011
VB12 30912	5	7/8, 1-1/8, 1-7/32, 1-1/4, 1-3/8 (22, 28.5, 31, 32, 35)	3/8 (9.5) & larger	No	None	None
VB14 30914	1	3/8 (9.5)	1/4 (6) & larger	No	12	None

* Lenox Vari-Bit® #6 combines Uni-Bit® #10 & #12.

** Uni-Bit® #13 has 1-1/8" step only. Vari-Bit® has both 7/8" & 1-1/8".

VB1

VB2

VB3

VB4

VB6

VB7

VB11

VB12

VB14

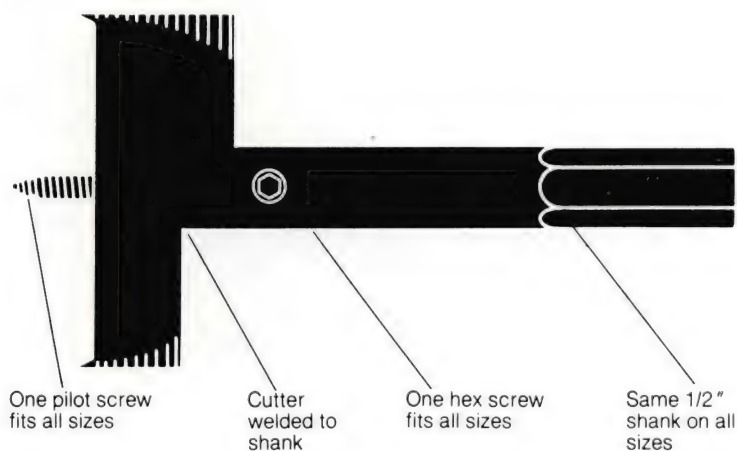
WOOD BORING BITS

BENEFITS

- One-piece construction prevents separation when backing out.
- Easier to order: no need to specify sizes of cutters, shanks, pilot screws, set screws.
- Easier to sharpen: only two cutters.
- Self-feeding. A tough tool that delivers professional cutting performance.



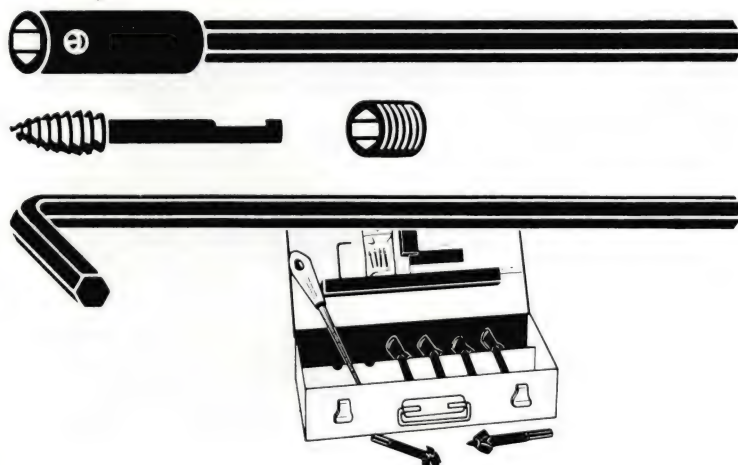
Features



Specifications

Product Number	Cutter Dia. In. (mm)	Entrance For Pipe And Rigid Conduit In. (mm)	Entrance For Tubing In. (mm)
32100-WB100	1 (25)	1/2 (13)	7/8 (22)
32112-WB112	1 1/8 (29)	3/4 (19)	1 (25)
32125-WB125	1 1/4 (32)	—	1 1/8 (29)
32137-WB137	1 3/8 (35)	1 (25)	1 1/4 (32)
32150-WB150	1 1/2 (38)	—	1 3/8 (35)
32175-WB175	1 3/4 (44)	1 1/4 (32)	1 1/2 (38)
32200-WB200	2 (51)	1 1/2 (38)	1 7/8 (47)
32212-WB212	2 1/8 (54)	—	2 (51)
32225-WB225	2 1/4 (57)	—	2 1/8 (54)
32256-WB256	2 9/16 (65)	2 (51)	2 1/2 (63)
32300-WB300	3 (76)	2 1/2 (63)	2 7/8 (73)
32362-WB362	3 3/8 (92)	3 (76)	3 1/2 (90)
32462-WB462	4 5/8 (118)	4 (100)	4 1/2 (115)

Accessories



Shank Extensions 5 1/2"/140mm No. 30846. 12"/300mm No. 30847. 18"/450mm No. 30848. All have round sleeve to fit 1/2"/13mm hex shank. With single set screw to hold in place.

Extra Pilot Screw No. 32900

Extra Set Screw No. 32989. Both fit all sizes.

Hex Wrench Set No. 32985. Contains one 1/8"/3mm Hex Wrench, one 5/32"/4mm Hex Wrench.

Kit No. 32500. Contains 1 ea. Bits: 1 1/8", 1 1/4", 1 1/2", 1 3/4", 2 1/8", 2 9/16". 1 ea. Extensions: 5 1/2", 12". 1 Hex Wrench Set. 1 pkg. of 5 Pilot Screws. 1 No. 32510 Slim Taper File with handle. Packed in metal case.

HACKMASTER®R

RECIPROCATING BLADES



- Bi-metal construction provides shatterproof cutting even on the toughest jobs.
- Made for the professional, these blades cut stainless, reinforcing rod, conduit, nail-embedded wood, plaster...almost anything.
- Outperforms ordinary carbon and high-speed steel blades.
- Quality blades that fit most U.S. & foreign saws.

HACKMASTER® J

JIG/SABER BLADES

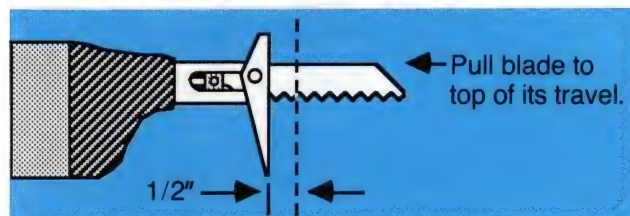


- Same rugged bi-metal construction as Hackmaster® R blades.
- Shatterproof cutting of stainless, sheet metal, laminated counter tops, nail-embedded wood, etc.
- Professional quality blades that take on the toughest jobs.
- Blades are capable of fitting most foreign & domestic saws.

JIG/SABER & RECIP. TIPS

WITH THE RIGHT BLADE AND THE RIGHT TECHNIQUE, YOU CAN CUT A WIDE VARIETY OF MATERIALS CLEANLY AND EASILY.

SAFELY REMOVING DRYWALL.



In order to safely cut drywall into chunks for easy removal, first insert an old Lenox 606R blade into a reciprocating saw. Then pull the saw's drive shaft outward as far as possible so it is fully extended. Mark a cutline on the blade one half inch from the shoe. This denotes the thickness of the drywall. Cut the blade with a pair of metal shears at this point. Holding the shoe flush against the wall, move the saw up and down the wall in order to cut pieces approximately 2' x 2' in size. The shortened blade will pass over the studs. Soon, the drywall can be removed in blocks instead of many small pieces.

PUT THE FINISH SIDE DOWN.

Jig/saber saws and reciprocating saws cut on the pull stroke (when the blade is moving toward the handle). Therefore, to avoid splintering, make sure the finish side of the material to be cut is facing down or away from the saw.

MAKING A SAFE, EFFECTIVE PLUNGE CUT.



For reciprocating saws, rest the shoe with the blade angled above the workpiece. Gradually close the angle until the blade enters the work. As soon as you have made a cut slightly longer than the width of your blade, you can begin sawing normally.

For jig/saber saws, you can begin normal sawing as soon as the shoe has touched down flat on the work.

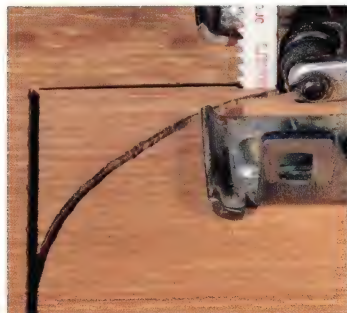
NON-SPLINTER SAWING OF THIN WOOD.

A time-proven method to avoid splintering is to cover the cutting line with transparent tape. This technique is an excellent way to avoid the chipping that can occur on thin wood.



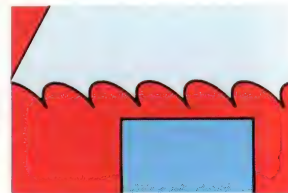
SAWING A SHARP INSIDE CORNER.

When you come to a corner, back your saw up and cut on a curve to the next guideline, and cut along that line. Then, saw back in the opposite direction to remove the "triangle" of waste in the corner.



STOPPING SAW BOUNCE.

If a saw tends to snag or bounce when cutting thin material, switch to a finer-tooth blade so that there are always at least three teeth in the cut.



SAWING THIN MATERIALS.



You can prevent bending or crinkling of thin sheet metal and plastics by sandwiching them between scraps of wood. Draw the pattern to be cut on the top piece of sandwiched material, and then saw in the normal manner. A similar method can be used when sawing wood panels, and other thin woods, which could otherwise crack from the weight of the saw.

SAFETY.

The more skilled you become, the more likely you are to take shortcuts. So, when you form habits that save time, form companion habits that keep you safe.

1. Stop when you're tired—fatigue is a major cause of accidents.
2. Disconnect electricity before checking or adjusting power saw.
3. Frequently check for worn cords and plugs.
4. Never stand on a wet surface to use a power tool.
5. Keep the power cord away from the saw.
6. Never wear loose clothing that could get caught in a blade.
7. Wear face shield, goggles, earplugs, and work gloves when your work demands them.















ORDERING GUIDE

HACKMASTER® R (Reciprocating) Be sure to give Product Number.

Vinyl Pouch: 5 per vinyl pouch.
Plastic Box: 10 per plastic box.
Skin Pack: 1 per card/5 cards per pack.
Bulk Pack: 50 per box.

Assortment:
One ea. 414R, 418R, 614R,
618R, 656R. Vinyl Pouch.
Product No. 20502-546 A.

CROSS REFERENCE NUMBERS
Competitive blades may vary from our specifications.

PRODUCT NUMBER			LENGTH x WIDTH x THICKNESS		TEETH PER INCH	SHAPE	RECOMMENDED USE	B & D	BOSCH	MALCO	MILWAUKEE	PORTER CABLE**	RULE IND.
VINYL POUCH†	PLASTIC BOX†	SKIN PACK†	INCHES	MM									
20572-656R	20515-K656R	20573-S656R	6 x 3/4 x .050	150 x 20 x 1.3	6			40098 †40310 †40320	†S611VF †S611DF	†4-KH6 †4-KH7 †4-KH8 4-S6, 4-S8	†3031 1031 †3035 1035	12400 †12455 †12456 †12458	WC-608 †ULB-608
20585-156R	20549-K156R	20586-S156R	12 x 3/4 x .050	300 x 20 x 1.3	6		Rough work in wood*	40099 40101 †40322 †40324	†S1411DF	†12-KH7 †12-KH8 12-S6	1032 1042 †3037	12403 †12456 †12458	WC-1208 WCD-1206 †ULB-1208
20582-956R	20525-K956R	20587-S956R	9 x 3/4 x .050	225 x 20 x 1.3	6			†40321 †40323	†S1511DF	†8KH7	1033, 1036 1043, †3036		†ULB-4V7
20556-676RC	20506-K676RC	20557-S676RC	6 x 7/16 x .050	150 x 11 x 1.3	6		Wood contours	40109 †40330	†S711DF	†4DL6	†3041 1041	12409 †12458	WCD-606
20560-606R	20507-K606R	20559-S606R	6 x 3/4 x .035	150 x 20 x .9	6		Wood*, all composition material	40100 †40325	†S811DF	4-HD6 †4GT7	1062 1022	12408 12461	W-406
20575-634R	20518-634R	20574-S634R	6 x 3/4 x .035	150 x 20 x .9	4		Nail free woods	40107 †40332			1002 †3041		
20562-610R	20508-K610R	20561-S610R	6 x 3/4 x .035	150 x 20 x .9	10		Wood*, compositions, plastic, cast aluminum & non-ferrous metals	40103 †40328 40104	†S811HF	4-HD8 4-HD10 5-HD8 3-HD10 5-HD10 †4GT10	1014 1024 1064 †3092 1012	12411 12415 12463 †12452 W-410	†ULB-310 TB-410 HDM-310 †ULB-610 W-410
20580-810R	20523-K810R	20581-S810R	8 x 3/4 x .035	200 x 20 x .9	10/14		Wood*, compositions, plastic, cast aluminum, light non-ferrous metals	†40318	†S1018BF †S118VF S1018H	†8MC10	2175 †3093		HDM-410
20520-314RC	20500-K314RC	20519-S314RC	3 x 1/4 x .032	75 x 6 x .8	14		Irregular contours	40126 †40326	S418B †S418BF	†2-MS14	1101 †1162	12445	HDMC-214 †ULB-114
20583-110R	20548-K110R	20584-S110R	12 x 3/4 x .050	300 x 20 x 1.3	10/14		All woods*, plastic & cast aluminum			12HD10			
20550-414R	20503-K414R	20551-S414R	4 x 3/4 x .035	100 x 20 x .9	14		Heavy gauge metal, rubber & fiber	40112 †40312	†S518BF	†3-TF14 3-MC14 2-MC14	1172 †1181	†12447	†ULB-214 HDM-214 FR-214
20564-614R	20509-K614R	20565-S614R	6 x 3/4 x .035	150 x 20 x .9	14			40113 †40315	†S918BF	4-MC14 †4-TF14	1179 †1182	12421 †12451	†ULB-314 FR-314 HDM-314
20552-418R	20504-K418R	20553-S418R	4 x 3/4 x .035	100 x 20 x .9	18			†40313 40105 40115	†S518EF †S418EF	2-MC18 3-MC18 †3-TF18	1174 †1183	12418 †12448	†ULB-218 HDM-218 FR-218
20566-618R	20511-K618R	20567-S618R	6 x 3/4 x .035	150 x 20 x .9	18		Heavy gauge metal, conduit & tubing	†40316 40116 40106	†S918EF	4-MC18 †4-TF18 418	†1184 2170	12427 †12454	†ULB-318 HDM-318 FR-318
20578-818R	20524-K818R		8 x 3/4 x .035	200 x 20 x .9	18				†S1018EF				
20521-318RC	20501-K318RC	20522-S318RC	3 x 1/4 x .032	75 x 6 x .8	18		Contours - metals under 1/8"	40119 †40329	S218E	†2-MS18	1102 †1163	12436	MC-218 †ULB-118
20554-424R	20505-K424R	20555-S424R	4 x 3/4 x .035	100 x 20 x .9	24			†40314 40117	†S518AF	2-MC24 2-MS24 †3-MC24	1067 1176 †1185	12424 †12453	†ULB-224 HDM-224
20568-624R	20513-K624R	20569-S624R	6 x 3/4 x .035	150 x 20 x .9	24		Metal & galvanized pipe 1/8 gauge & under	40125 †40331		†4-MC24	2171	12433	HDM-324 †ULB-324
20570-636RP	20514-K636RP	20571-S636RP	6 x 3/4 x .035	150 x 20 x .9	6		Plaster, plaster board	†40327	†S811DF	†4-P6	1052	12469	P-405

* Including nail-embedded wood

** Reverse blade holder on Porter Cable Tiger Saw for Hackmaster® R

† Bi-metal

Blades not denoted as Bi-Metal are either Carbon or High Speed Steel.

ORDERING GUIDE

HACKMASTER® J (Jig/Saber) (UNIVERSAL)

Be sure to give Product Number.
Vinyl Pouch: 5 per vinyl pouch.
Skin Pack: 1 per card/5 cards per pack.

Assortment:
One ea. 314J, 318J, 324J,
486J, 480J. Product No.
20601-533A.

Assortment:
One ea. 486J, 318J, 350JC.
Product No. 20602-333A.

CROSS REFERENCE NUMBERS

PRODUCT NUMBER	VINYL POUCH†	SKIN PACK†	LENGTH x WIDTH x THICKNESS		TEETH PER INCH	SHAPE	RECOMMENDED USE	B & D	BOSCH	MALCO	MILWAUKEE	PORTER CABLE	RULE IND.
			INCHES	MM									
20620-486J		20670-S486J	4-1/2 x 3/8 x .050	115 x 10 x 1.3	6		Roughing wood, fiberboard	54368 †49510	83504 83519 83512	206	0500 0860 †2190 †2300	12506 12501 12505	J1
20622-480J		20672-S480J	4-1/2 x 3/8 x .050	115 x 10 x 1.3	10		Smooth finish of wood*, compositions, plastic	54369 31004 †49511 39757	83505	110	0540 0561 †2310	12515 12510	J2
20690-350JC		20691-S350JC	3-1/2 x 1/4 x .050	90 x 6 x 1.3	10		Wood: scrolls & contours	49492 †49516	83511	510 610	0620	12502 12508 12500	J4 J6
20628-356JF		20629-S356JF	3-1/2 x 1-1/8 x .050	90 x 30 x 1.3	6/10		Fresh cut wood	58149			0300	12513	J3
20638-340JV		20688-S340JV	3-1/2 x 3/8 x .035	90 x 10 x .9	10/14		Same as 480J plus steel, non-ferrous metals 1/8" up	†49515	83506				
20610-314J		20660-S314J	3 x 3/8 x .035	75 x 10 x .9	14		Steel & non-ferrous metals 1/8" up, plastic, asbestos, hard rubber, fiber	49490 †49512	83533	814	0100 0101	12516	J8 †J12
20611-318J		20661-S318J	3 x 3/8 x .035	75 x 10 x .9	18		Metal 18 gauge & under	31020 †49513	83534	818	0120 †2120	12517	J9 †J14 †J15
20612-324J		20662-S324J	3 x 3/8 x .035	75 x 10 x .9	24		Metal 18 gauge & under	31021 †49514	83535	824	0140 †2160	12518	J10

* Including nail-embedded wood

† Bi-metal

Blades not denoted as Bi-metal are either Carbon or High Speed Steel.

HACKMASTER® B (Bayonet)

Vinyl Pouch: 5 per vinyl pouch. Skin Pack: 1 per card/5 cards per pack.

HACKMASTER RAPIER®

Vinyl Pouch: 5 per vinyl pouch.
Skin Pack: 1 per card/5 cards per pack.

Assortment:

One ea. 314S, 324S, 410S.

Product No. 20863-863A.

PRODUCT NUMBER	VINYL POUCH†	SKIN PACK†	LENGTH x WIDTH x THICKNESS		TEETH PER INCH	RULE IND.
			INCHES	MM		
20725-336B		20775-S336B	3 x 3/8 x .032	75 x 10 x .8	6	R-52 R-63
20727-330B		20777-S330B	3 x 3/8 x .032	75 x 10 x .8	10	R-55 R-53 R-61
20715-130B		20765-S130B	1-3/4 x 1/4 x .032	45 x 6 x .8	10	†R-56 †R-99
20728-334B		20778-S334B	3 x 3/8 x .032	75 x 10 x .8	14	12330 †12346 12336 12331
20716-134B		20766-S134B	1-3/4 x 1/4 x .032	45 x 6 x .8	14	†12347 12336
20730-338B		20780-S338B	3 x 3/8 x .032	75 x 10 x .8	18	12342 †12349
20717-138B		20767-S138B	1-3/4 x 1/4 x .032	45 x 6 x .8	18	
20718-124B		20768-S124B	1-3/4 x 1/4 x .032	45 x 6 x .8	24	†R-60

† Bi-metal

PRODUCT NUMBER	VINYL POUCH†	SKIN PACK†	LENGTH x WIDTH x THICKNESS		TEETH PER INCH	B & D	BOSCH	RULE
			INCHES	MM				
20802-406S		20812-S406S	4 x 3/8 x .050	100 x 10 x 1.3	6	†49750	T101D T111C T144D †T144DF	RB-1 RB-10
20804-410S		20814-S410S	4 x 3/8 x .050	100 x 10 x 1.3	10	†49751	T101B T127D T227D †T101BF †T111CF †T127DF	RB-2 RB-3 RB-4 RB-20 RB-30 RB-40
20805-314S		20815-S314S	3 x 3/8 x .035	75 x 10 x .9	14	†49752	T119B T118B †T118BF †T118EF	RB-5 RB-50
20806-318S		20816-S318S	3 x 3/8 x .035	75 x 10 x .9	18	†49753	T119A T118A T218A	RB-6 RB-60
20807-324S		20817-S324S	3 x 3/8 x .035	75 x 10 x .9	24	†49754	T118G †T118AF	RB-7 RB-70

† Bi-metal

BAND SAW BLADES



ELECTRON-WELD bi-metal. Finest general purpose blade you can buy. Vari-Tooth® multi-angle, multi-size teeth reduce vibration and noise, prolong blade life. Cuts toughest materials, even stainless steel.

WIDTH x THICKNESS IN. MM	TEETH PER INCH
1/2 x .025 12.7 x .64	10/14
5/8 x .035 16 x .90	10/14
3/4 x .035 19 x .90	4/6, 5/8, 6/10, 8/12, 10/14

NEO-TYPE® carbon. The all-purpose, low cost blade for cutting milder materials like copper, brass, aluminum, mild steel, plastic. Takes extra tensioning, cuts straight, resists breakage.

WIDTH x THICKNESS IN. MM	TEETH PER INCH
1/4 x .025 6.4 x .64	4, 6, 8, 10, 14, 18
3/8 x .025 9.5 x .64	3, 4, 6, 8, 10, 14, 18
1/2 x .025 12.7 x .64	4, 6, 10, 14, 18
5/8 x .032 16 x .80	4, 8, 10, 14, 18
3/4 x .032 19 x .80	6, 8, 10, 12, 14

4'6"-11'6"/1372mm-3505mm welded to length.
Electron Weld one blade per box. Neo-Type® ten blades per box.

TOOTH SELECTION GUIDE

For general purpose sawing, use 14 tooth or 10/14 Vari-Tooth.

MATERIAL	THICKNESS				
	UP TO 3/32"/2.4mm	1/8-3/16" 3.2-4.8mm	1/4-1/2" 6.3-13mm	1/2-1" 13-25mm	1-3" 25-76mm
Aluminum	—	—	14,10/14VT	10,8/12VT	6
Angle Iron	24	18	14,10/14VT	10,8/12VT	—
Brass	24	18	14,10/14VT	10,8/12VT	6
Bronze	24	18	14,10/14VT	10,8/12VT	6
Cast Iron	—	—	14,10/14VT	10,8/12VT	6
Copper	24	18	14,10/14VT	10,8/12VT	—
Electric Cable	—	—	14,10/14VT	—	—
Galv. Pipe	24	18	14,10/14VT	10,8/12VT	—
Magnesium	—	—	—	10,8/12VT	6
Mild Steel	24	18	14,10/14VT	10,8/12VT	6
Thin Wall Tubing	18	18	—	—	—
Stainless, Chrome Tungsten Steels	24	18	14,10/14VT	10,8/12VT	6
Wood	—	—	—	—	6

BLADE CONSTRUCTION

ELECTRON-WELD

NEO-TYPE®

ELECTRON-WELD

FEATURES	ADVANTAGES	BENEFITS
<ul style="list-style-type: none"> Spring Steel Backing High Speed Steel Edge Material Electron Beam Welded Back Hardness Rc 47-51 	<ul style="list-style-type: none"> Improved Fatigue Resistance Resists Back Edge Swaging Can Operate at Greater Tension Than High Speed Steel or Carbon Steel Bands Greater Weld Integrity Than High Speed Steel 	<ul style="list-style-type: none"> Provides Best Combination of Cutting Performance and Fatigue Life

NEO-TYPE®

FEATURES	ADVANTAGES	BENEFITS
<ul style="list-style-type: none"> One Piece Carbon Steel Construction Spring Tempered Back Rc 43-47 Tooth Hardness Rc 64 Minimum 	<ul style="list-style-type: none"> Accepts Heavier Feed Pressure Than Regular Flexible Back Carbon Steel Blades Resists Swaging and Scoring Good Wear Resistance 	<ul style="list-style-type: none"> Faster Cutting Rate Straighter Cuts Longer Blade Life

PORTABLE BANDS



MASTER-BAND 2™ SPECIFICATIONS

3'8 7/8" x 1/2" x .020 1140mm x 13mm x .50mm		4'5 3/4" x 1/2" x .020 1365mm x 13mm x .50mm		4'6" x 1/2" x .025 1370mm x 13mm x .63mm		3'8 7/8" x 1/2" x .020 1140mm x 13mm x .50mm	
For Black & Decker, Greenlee, Milwaukee, Porta-Band and Ridgid.		For Greenlee and Porta-Band.		For Ensley, Greenlee and Rule Ind.		For Black & Decker, Greenlee, Milwaukee, Porta-Band and Ridgid.	
3 Per Box	Teeth per in./ 25.4mm	3 Per Box	Teeth per in./ 25.4mm	3 Per Box	Teeth per in./ 25.4mm	1 Per Paper Sleeve	Teeth per in./ 25.4mm
Product No.		Product No.		Product No.		Product No.	
80113-38-EW-10	10	80118-45-EW-10	10	80148-54-EW-6/10	6/10	09350-44-EW-10	10
80114-38-EW-10/14	10/14	80119-45-EW-10/14	10/14	81723-54-EW-8/12	8/12	09354-44-EW-10/14	10/14
80115-38-EW-14	14	80120-45-EW-14	14	81724-54-EW-10/14	10/14	09351-44-EW-14	14
80116-38-EW-18	18	80121-45-EW-18	18	80150-54-EW-18	18	09352-44-EW-18	18
80117-38-EW-24	24	80122-45-EW-24	24			09353-44-EW-24	24

FEATURES

- Bi-Metal Construction
- Matrix II Type Alloy High Speed Steel Cutting Edge
- Tooth Hardness Rc 66-68
- Edge Contains 8% Cobalt

ADVANTAGES

- Tough Shock Resistant Alloy With Less Tooth Chippage
- Withstands Higher Cutting Temperatures Than M2 or Carbon Steel Blades

BENEFITS

- Lasts Longer on Interrupted Cuts, and Mild to Difficult to Machine Materials
- Attains Higher Productivity Than M2 or Carbon Steel Blades

TOOTH FORMS AVAILABLE

VARI-TOOTH®

STANDARD

CUTTING RECOMMENDATIONS

General Purpose Applications Such as Tubing, Pipe, Structurals, and Solids of Mild to Difficult Machinability.

NEO-TYPE® SPECIFICATIONS

3'8 7/8" x 1/2" x .020 1140mm x 13mm x .50mm		4'5 3/4" x 1/2" x .020 1365mm x 13mm x .50mm		4'6" x 1/2" x .025 1370mm x 13mm x .63mm		3'8 7/8" x 1/2" x .020 1140mm x 13mm x .50mm	
For Black & Decker, Greenlee, Milwaukee, Porta-Band and Ridgid.		For Greenlee and Porta-Band.		For Ensley, Greenlee and Rule Ind.		For Black & Decker, Greenlee, Milwaukee, Porta-Band and Ridgid.	
3 Per Box	Teeth per in./ 25.4mm	3 Per Box	Teeth per in./ 25.4mm	3 Per Box	Teeth per in./ 25.4mm	1 Per Paper Sleeve	Teeth per in./ 25.4mm
Product No.		Product No.		Product No.		Product No.	
90364-38-N-10	10	90368-45-N-10	10	90396-54-N-10	10	09850-44-N-10	10
90365-38-N-14	14	90369-45-N-14	14	90397-54-N-14	14	09851-44-N-14	14
90366-38-N-18	18	90370-45-N-18	18	90398-54-N-18	18	09852-44-N-18	18
90367-38-N-24	24	90371-45-N-24	24	90786-54-N-24	24	09853-44-N-24	24

TOOTH FORMS AVAILABLE

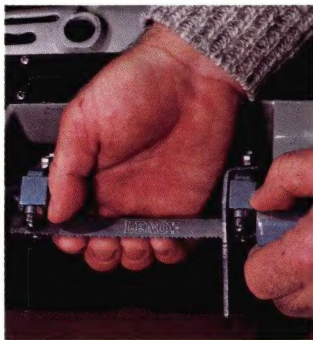
STANDARD

CUTTING RECOMMENDATIONS

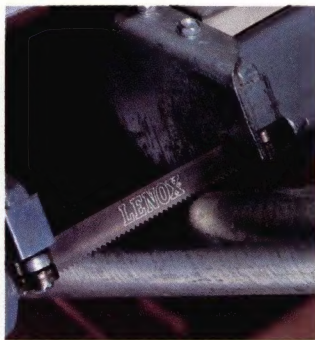
For Lighter Utility Metal Cutting.

INSTALLING THE BLADE:

Install new blades snug against portable machine guides. Run saw for several seconds, without cutting, to seat blade.



USE THE GUIDE BAR: To assure straight cutting, keep machine guide bar firmly against workpiece. Start cuts slowly with variable speed machines.

**TIP FOR FAST CUTTING:**

Rock the machine gently as you cut, to cut faster, more efficiently. Be sure to maintain a firm grip on machine.

**CHECK CHIPS FOR COLOR:**

Colored chips indicate excessive heat build-up from too much feed and/or speed. Reduce either or both.



BI-METAL PORTABLE BAND COMPETITIVE COMPARISON CHART

LENGTH x WIDTH x THICKNESS	TPI	LENOX®	MILWAUKEE	PORTER CABLE	BLACK & DECKER	RULE/ CAPEWELL	STERLING	STARRETT	SIMONDS	MILFORD
44 ⁷ / ₈ " x 1/2" x .020	10	80113-38-EW-10	48-39-0500		31216		23900	14600	61-05103	04970
	10/14	80114-38-EW-10/14				B-4410				
	14	80115-38-EW-14	48-39-0510	45275	31218	B-4414	23903	14601	61-05143	04971
	18	80116-38-EW-18	48-39-0520	45277	31220	B-4418	23906	14602	61-05183	04972
	24	80117-38-EW-24	48-39-0530		31222			14603	61-05243	04973
53 ³ / ₄ " x 1/2" x .020	10	80118-45-EW-10				B-5310	23909	14604	61-06100	04966
	10/14	80119-45-EW-10/14								
	14	80120-45-EW-14				B-5314	23912	14605	61-06140	04967
	18	80121-45-EW-18				B-5318	23915	14606	61-06180	04968
	24	80122-45-EW-24						14607	61-06240	04969
54" x 1/2" x .025	6/10	80148-54-EW-6/10								
	8/12	81723-54-EW-8/12								
	10/14	81724-54-EW-10/14								
	18	80150-54-EW-18								

BI-METAL PORTABLE BAND MACHINE LIST

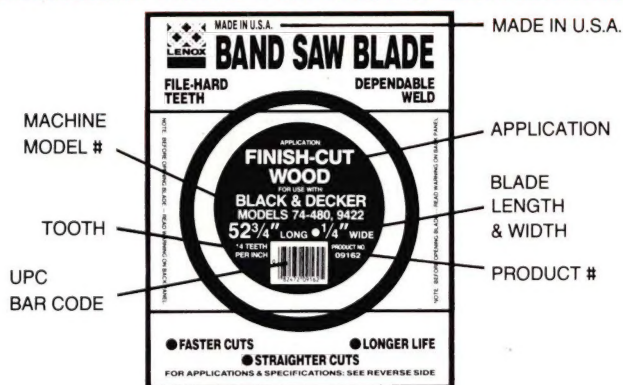
BRAND NAME	MODEL NO.	SIZE
Milwaukee	6230, 6225, 6226	44 ⁷ / ₈ " x 1/2" x .020"
Porter Cable	7721, 724, 725, 726, 736 728	44 ⁷ / ₈ " x 1/2" x .020" 53 ³ / ₄ " x 1/2" x .020"
Greenlee	530 531	44 ⁷ / ₈ " x 1/2" x .020" 53 ³ / ₄ " x 1/2" x .020"
Ridgid	941, 942, 943 944	44 ⁷ / ₈ " x 1/2" x .020" 53 ³ / ₄ " x 1/2" x .020"
Black & Decker	3122, 3123	44 ⁷ / ₈ " x 1/2" x .020"
Ensley	721, 722P	54" x 1/2" x .025"

D-I-Y BAND SAW BLADES

BENEFITS/FEATURES

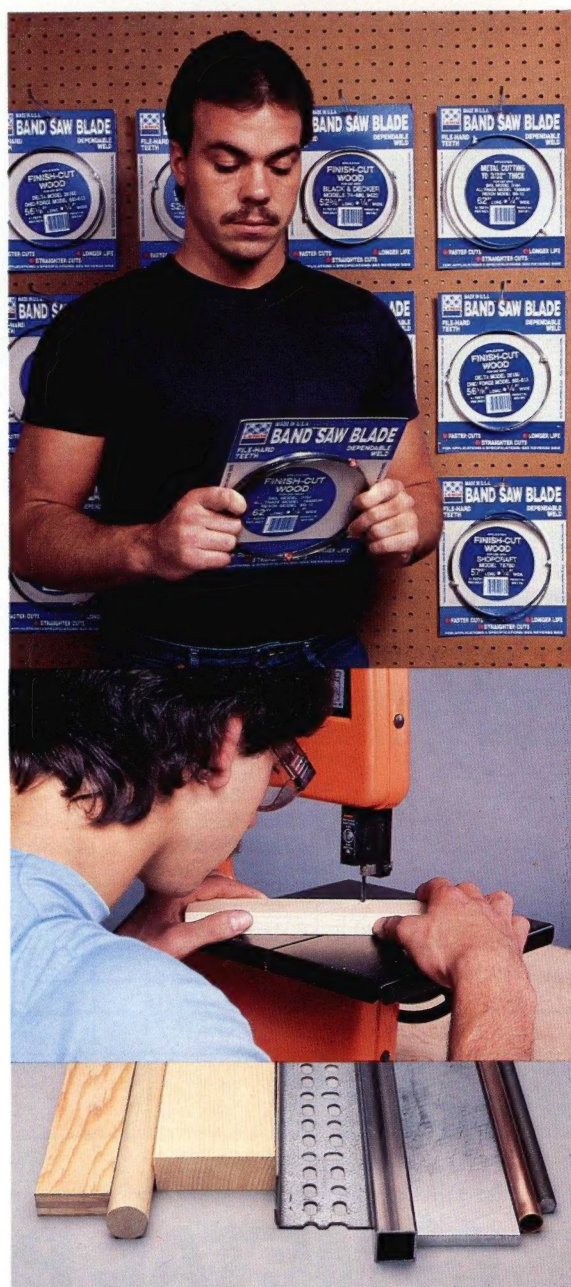
- **Quality LENOX Blades-** File hard teeth and dependable weld highlight blades that produce faster cuts, straighter cuts, with longer life.
- **One Source For All Your Band Saw Needs-** Lenox is the source for all popular sizes—no need to carry differing brands to fit various band saw machines.
- **Recognized Quality-** Lenox is the world's largest manufacturer of saw blades; our name is synonymous with quality.
- **Fast Moving Sku's-** Insure a much higher inventory turn ratio.

PACKAGING LOADED WITH USER INFORMATION!



THIS INFORMATION ON THE BACK OF EACH CARD:

- MACHINE APPLICATION—ALL SIZES • SAFETY TIPS
- WARNING COPY • TOOTH SELECTION GUIDE

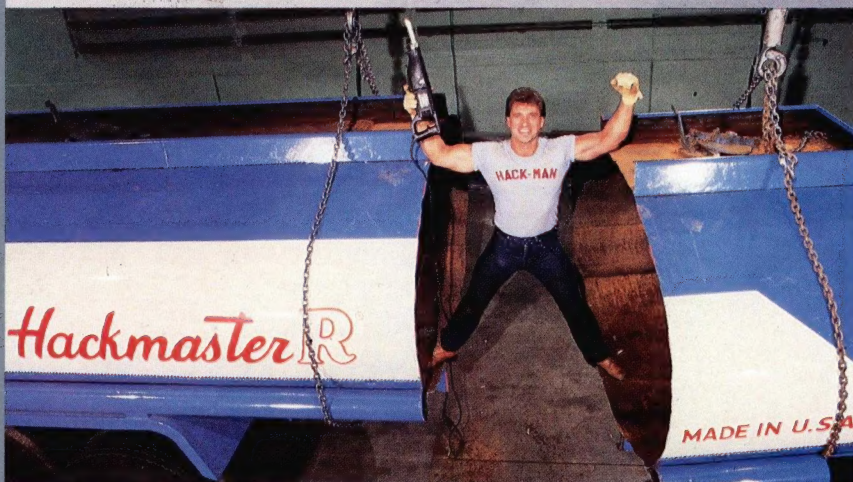


ORDERING GUIDE

SELECT THE RIGHT TEETH PER INCH FOR THE JOB.

6 TEETH PER INCH	General purpose cutting in wood, plastics, compositions and non-ferrous metal, containing no iron or steel.
14 TEETH PER INCH	FINISH CUT WOOD
18 TEETH PER INCH	General purpose metal cutting for ferrous & non-ferrous metals.
32 TEETH PER INCH	METAL CUTTING TO 3/32" THICK

MACHINE BRAND	LENGTH x WIDTH x GAGE INCHES MM	TEETH PER INCH/PRODUCT NUMBER			
		6	14	18	32
BLACK & DECKER 74-480 9422	52"x1/4" x .018 1340x3.2 x .45		09158		
	52"x1/4" x .014 1340x6.4 x .35	09160	09162		09163
DELTA #28160 OHIO FORGE #593-613	56"x1/4" x .018 1425x3.2 x .45		09166		
	56"x1/4" x .014 1425x6.4 x .35	09168	09169		09170
SHOPCRAFT T6760	57"x1/8" x .018 1448x3.2 x .45		09173		
	57"x1/4" x .014 1448x6.4 x .35	09175	09176		09177
BLACK & DECKER 9411 KING FENG FU	59"x1/4" x .018 1510x3.2 x .45		09180		
	59"x1/4" x .014 1510x6.4 x .35	09182	09183		09184
SKIL #3104 ALLTRADE #1996B3R REXON #BS-12	62"x1/8" x .018 1575x3.2 x .45		09187		
	62"x1/4" x .014 1575x6.4 x .35	09189	09190		09191
SHOPCRAFT T7070 SHOPMASTER EMERSON 10-1455, 10-1451 RIDGID 945 OHIO FORGE #510-505 VARIOUS IMPORTED MACHINES	64"x1/2" x .025 1640x12.7 x .63		09888		
DELTA RS28140	71"x1/8" x .018 1822x3.2 x .45		09194		
	71"x1/4" x .025 1822x6.4 x .63	09195		09196	
	71"x3/8" x .025 1822x9.5 x .63	09197		09198	
DELTA #28285 DELTA #28230 OHIO FORGE #510-556	93"x1/4" x .025 2375x6.4 x .63	09890		09891	
	93"x3/8" x .025 2375x9.5 x .63	09892		09893	
	93"x1/2" x .025 2375x12.7 x .63	09894		09895	



**THE
CHALLENGES
KEEP
GETTING
TOUGHER,
BECAUSE
OUR BLADES
KEEP
GETTING
BETTER!**

**HACKMASTER®
BI-METAL
BLADES
HANDLE YOUR
CHALLENGES
EVERY DAY!**

**WORLD CLASS TECHNOLOGY
AMERICAN SAW QUALITY**



**AMERICAN SAW
& MFG. COMPANY**

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